

Title (en)  
Phospholipid esters of clofarabine derivatives

Title (de)  
Phospholipidester von clofarabin-derivate

Title (fr)  
Dérivés phospholipidiques de clofarabine

Publication  
**EP 1460082 A1 20040922 (EN)**

Application  
**EP 03006059 A 20030319**

Priority  
• US 45600303 P 20030319  
• EP 03006059 A 20030319

Abstract (en)  
The subject of the present invention are specific lipidesters of halogenated-adenine nucleotides and the use of such lipidesters in the treatment of tumors.

IPC 1-7  
**C07H 19/20; A61K 31/7076**

IPC 8 full level  
**A61K 31/7076** (2006.01); **C07C 1/00** (2006.01); **C07H 19/20** (2006.01)

CPC (source: EP KR US)  
**A61K 31/7076** (2013.01 - EP KR US); **A61P 35/00** (2018.01 - EP); **A61P 35/02** (2018.01 - EP); **C07H 19/04** (2013.01 - EP US); **C07H 19/20** (2013.01 - EP KR US)

Citation (search report)  
• [X] WO 9615234 A2 19960523 - BOEHRINGER MANNHEIM GMBH [DE], et al  
• [X] US 5512671 A 19960430 - PIANTADOSI CLAUDE [US], et al  
• [DY] EP 0350287 A2 19900110 - VICAL INC [US]  
• [DY] HOSTETLER K Y ET AL: "SYNTHESIS AND ANTIRETROVIRAL ACTIVITY OF PHOSPHOLIPID ANALOGS OF AZIDOTHYMININE AND OTHER ANTIVIRAL NUCLEOSIDES", JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 265, no. 11, 15 April 1990 (1990-04-15), pages 6112 - 6117, XP000371928, ISSN: 0021-9258  
• [DY] HONG C I ET AL: "Nucleoside Conjugates. 11. Synthesis and antitumor activity of 1-beta-D-arabinofuranosylcytosine and cytidine conjugates of thioether lipids", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 33, 1990, pages 1380 - 1386, XP002242874, ISSN: 0022-2623  
• [Y] MONTGOMERY J A ET AL: "SYNTHESIS AND BIOLOGIC ACTIVITY OF 2'-FLUORO-2-HALO DERIVATIVES OF 9-BETA-D-ARABINOFURANOSYLADENINE", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 35, no. 2, 1992, pages 397 - 401, XP001097267, ISSN: 0022-2623

Cited by  
EP2070938A1; CN103232510A; WO2009074253A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004083155 A2 20040930; WO 2004083155 A3 20050331**; AT E328000 T1 20060615; AU 2004222163 A1 20040930; CA 2519434 A1 20040930; CN 100369926 C 20080220; CN 1771253 A 20060510; CY 1105572 T1 20100728; DE 602004001047 D1 20060706; DE 602004001047 T2 20070419; DK 1606233 T3 20060918; EP 1460082 A1 20040922; EP 1606233 A2 20051221; EP 1606233 B1 20060531; ES 2265636 T3 20070216; JP 2006520359 A 20060907; KR 20050109939 A 20051122; MX PA05008817 A 20051018; NO 20053903 D0 20050822; NO 20053903 L 20051219; NZ 542011 A 20080229; PL 1606233 T3 20061031; PT 1606233 E 20060929; RU 2005130992 A 20060410; RU 2347786 C2 20090227; SI 1606233 T1 20061031; US 2006293514 A1 20061228; US 7419965 B2 20080902; ZA 200507541 B 20060531

DOCDB simple family (application)  
**EP 2004002810 W 20040318**; AT 04721537 T 20040318; AU 2004222163 A 20040318; CA 2519434 A 20040318; CN 200480007393 A 20040318; CY 061101101 T 20060807; DE 602004001047 T 20040318; DK 04721537 T 20040318; EP 03006059 A 20030319; EP 04721537 A 20040318; ES 04721537 T 20040318; JP 2006504723 A 20040318; KR 20057014672 A 20050809; MX PA05008817 A 20040318; NO 20053903 A 20050822; NZ 54201104 A 20040318; PL 04721537 T 20040318; PT 04721537 T 20040318; RU 2005130992 A 20040318; SI 200430052 T 20040318; US 54979905 A 20051121; ZA 200507541 A 20050916